

CLAIM AMENDMENTS

1. (Currently Amended) A radome comprising:
a first skin portion having opposed first and second surfaces;
a first core portion ~~formed over one side on the first~~ surface of the first skin portion,
the first core portion having opposed first and second surfaces, the first surface of the first
core portion facing the first skin portion;
a high relative-dielectric-constant layer ~~formed over on the side~~ second surface of the
first core portion ~~which is opposite the first skin portion, the high relative-dielectric-constant~~
material layer having opposite first and second surfaces, the first surface of the high
dielectric-constant-layer facing the first core portion;
a second core portion ~~formed over on the side~~ second surface of the high relative-
dielectric-constant layer ~~which is opposite the first core portion, the second core portion~~
having opposed first and second surfaces, the first surface facing the high relative-dielectric-
constant layer; and
a second skin portion ~~formed over on the side~~ second surface of the second core
portion ~~which is opposite the high relative-dielectric-constant layer, wherein the high~~
relative-dielectric-constant layer has a relative dielectric constant that is ~~more~~ larger than the
relative dielectric constants of ~~the skin part consisting of the first skin portion and the second~~
~~skin portion portions and also of the core part consisting of the first core portion and the~~
second core ~~portion~~ portions.

2. (Currently Amended) The radome according to Claim 1, wherein the difference in
relative dielectric ~~constant~~ constants between ~~the~~ a skin part consisting of the first skin
portion and the second skin portion and ~~the~~ a core part consisting of the first core portion and
the second core portion is no more than 1.5 or less, and the relative dielectric constant of the
high relative-dielectric-constant layer is ~~4-20~~ in a range from 4 to 20.

3. (Currently Amended) The radome according to Claim 1, wherein the difference in
relative dielectric ~~constant~~ constants between ~~the~~ a skin part consisting of the first skin
portion and the second skin portion and ~~the~~ a core part consisting of the first core portion and
the second core portion is more than 1.5, and the relative dielectric constant of the high
relative-dielectric constant layer is ~~10-55~~ in a range from 10 to 55.

4. (Currently Amended) The radome according to Claim 1, wherein ~~one~~ at least one of the ~~skin-part consisting of the first skin-portion and the second skin portion, the core-part consisting of portions, the first core-portion and the second core portion~~ portions, and the high relative-dielectric-constant layer includes at least one ~~that is~~ material selected from the group consisting of BaTiO₃, CaTiO₃, MgTiO₃, SrTiO₃, (Zr, Sn)TiO₄, BaTi₄O₉, Ba₂Ti₉O₂₀, (Mg, Ca)TiO₃, Ba(Zr, Ti)O₃, Ba(Mg, Ta)O₃, Ba(Zn, Ta)O₃, BaTiO₄, WO₃, TiO₂, Bi₄Ti₃O₁₂, BaZrO₃, CaSnO₃, alumina, and silicon.